

## ABSTRACT

A system for testing systems which are in turn used to test the leaktightness of a hollow body is suggested.

- 5    Instead of the hollow body, a test body (2) is placed in the system which generates a defined pressure increase in a measuring chamber (4) within a pre-determined time span. This defined pressure increase corresponds exactly to the pressure increase generated by a hollow body with a small amount of leakage, wherein the hollow body can still just be regarded as leaktight.
- 10   The test body can be configured as a glass capillary which extends in a sealing manner between two chambers with different air pressure. Alternatively, the test body can comprise a material which can accept a defined amount of moisture from the ambient atmosphere during storage. A vacuum formed around the test body causes moisture to be withdrawn from the test body and at least partially evaporated in the vacuum, which again
- 15   leads to an increase in pressure in the chamber. This pressure increase again corresponds to the just-tolerable pressure increase of a hollow body which is to be tested.